

Title (en)

Signal generating unit and signal receiving unit

Title (de)

Signalerzeugungseinheit und Signalempfangseinheit

Title (fr)

Unité de génération de signal et unité de réception de signal

Publication

EP 1798924 B1 20121205 (EN)

Application

EP 05112114 A 20051214

Priority

EP 05112114 A 20051214

Abstract (en)

[origin: EP1798924A1] A signal generating unit (100) is provided for generating signals. The signal generating unit comprises an IFFT unit (101) for generating an output signal; a filter unit (102) operatively connected to the IFFT unit; and a subtractor (103) operatively connected to the IFFT unit and to the filter unit, said subtractor being adapted to subtract the interference from the output signal. A signal receiving unit (200, 300) is provided for receiving signals. The signal generating unit comprises a filter unit (202, 302); a subtractor (203, 303) operatively connected to the filter unit; and an FFT unit (201, 301) operatively connected to the subtractor. Methods for receiving and generating signals are also provided.

IPC 8 full level

H04L 27/26 (2006.01)

CPC (source: EP KR US)

H04B 1/40 (2013.01 - KR); **H04L 27/26** (2013.01 - KR); **H04L 27/2626** (2013.01 - EP KR US); **H04L 27/2647** (2013.01 - EP US)

Cited by

US8787142B2; US9319889B2; WO2010029177A3; WO2018086685A1; US11165619B2; US11784744B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1798924 A1 20070620; **EP 1798924 B1 20121205**; KR 101044864 B1 20110628; KR 20080077959 A 20080826; TW 200737861 A 20071001; US 2008304405 A1 20081211; US 8081561 B2 20111220; WO 2007068742 A1 20070621

DOCDB simple family (application)

EP 05112114 A 20051214; EP 2006069727 W 20061214; KR 20087012114 A 20061214; TW 95146884 A 20061214; US 9660606 A 20061214